1 August 1962 MEMORANDUM FOR: DC/Development Branch/DFD	THE
SUBJECT : Progress Report on for Week of 23 August.	25X1
1. The following information is based on a phone conversation with	25X1
2. Little work was done on the correlator during the last week, because a complete set of the new cylinders has not been received yet some flight test data film was run through the correlator, but little was gained from it. One cylinder lens has been received from Perkin-	;, ; -
is not expected to deliver any cylinders for at least 4 weeks should produce somewhat better cylinders than	⊒ 25X1 ••
Perkin-Elmer, according to is using test glasses, while P. E. is not.	25X1
made using a 1 mil spot size CRT and both Plus-X pan and Tri-X films. Limiting resolution in both cases seems to be about 500-600 lines/ind (it varies over the field), which compares with a maximum of 450 line inch for the fiber optics. The acuity of the lens system, particular when using Flus-X, is also superior to that of the fiber optics. Streakiness on the film is much reduced. Exposure on Flus-X is adequated lens is set at f/4.0. Since maximum setting of lens is f/2.0 (these are the marked f/nos., not the operating f/nos.), there is adequated are margin of safety.  4. Literature received concerning the Ferranti tube indicates that it is worth looking into for second generation equipment, because of the resolution (.4 mil spot size) and shape of tube. The tube has	ch. es/ rly late eoth quate
rectangular output end, with a 1" x 5" phosphor area. If the rest of the tube conforms to this shape, it should permit more compact mounting both are looking further into this.	r
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